NNABUKO, MIRACLE CHIDINMA.

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CORE COMPETENCIES

- HTML, CSS, Python, and AVR C/C++
- JavaScript
- Web development using Django
- CI/CD (Jenkins, Azure Pipelines)

- Application Monitoring (Dynatrace)
- Microsoft Azure
- SQL
- Linux

- Networking Configuration and Maintenance
- Containerization (Docker, Kubernetes)
- Git
- Terraform

EDUCATION

B. Eng in Electrical/ Electronic Engineering (Second Class Upper Division)   **2013 - 2018**
Federal University of Technology, Owerri – Nigeria.
Nanodegree – Cloud developer   **Jul, 2022 - Nov, 2022**
Udacity, ALX-T

PROJECTS

Ern-hive Web App CI/CD (ernh)
- Designed and implemented a fully automated CI/CD pipeline using Jenkins, reducing deployment time by over 50%
- Deployed the Ernhive app on Oracle Instance using the Publish Over SSH Plugin in Jenkins

Udagram Image Filtering Application (Udagram)
- Refactored the Udagram monolith application into microservices
- Implemented a CI/CD pipeline using Travis CI and deployed the microservices on AWS EKS

Email Scheduling Application (emailscheduler)
- Developed an email scheduling application using Django
- Used Celery and Redis to handle and execute the scheduled email tasks

Event Registration Form (Registration-form)
- Developed an event registration form where users can register for an event using Django
- Generated a confirmation email with a unique event ID

Serverless To-Do App (c4-final-project)
- Developed an application using NodeJS and Serverless Framework on AWS that allows creating/removing/updating/fetching TODO items.
- Each TODO item can optionally have an attachment image.
- Each user only has access to TODO items that he/she has created.

WORK EXPERIENCE

Nathan Claire Africa, (Lagos | Nairobi | London)
Senior Observability Engineer/Regional Program Manager   **2020 - Present**
Responsibilities: • Implementation and maintenance of Application Performance Monitoring platforms and Site Reliability Engineering tools for digital transformation in West and East Africa.
• **Key Accomplishment:**
- Set up and configured Application Performance Monitoring (APM) Tools for over ten of the leading businesses/companies in West and East Africa, trained clients on the usage of Dynatrace monitoring tool.
- Conducted root cause analysis (RCA) and tackled complex application performance issues.
- Pioneered the Migration of an environment using Monitoring as Code (Monaco) for First City Monument Bank.
- Developed Plugins with Python, Installed the plugins, and provided technical support for clients.
- Collaborated with cross-functional teams, including developers, infrastructure engineers, and operations teams, to improve system reliability and performance.
- Developed and monitored Django web applications on Dynatrace and Datadog monitoring solutions
- Integrated Monitoring tools with 3rd party applications in the bank's system such as ITSM and BI tools (PowerBI, ServiceNow, Jira).
- Carried out APM Tool Integrations with Cloud Platforms (Azure, AWS, GCP)
- Configured and setup Alteon LB Snmp extension for Safaricom
- Facilitated training sessions on Site Reliability and cloud observability tools for clients in East and West Africa.
- Analyzed customer data using USQL, utilizing visualization and exploratory data analysis to understand customer data co-relative behaviors.
- **Program Management:** Develop comprehensive project plans. Conduct formal reviews, walk-throughs, and informal reviews on business and technical requirements.

Relational Experience:
- Supervised five Technical Consultants in the West African Support team of the organization.
- Team management and project prioritization to meet Service Level Agreement
- Collaborated with various team members to carry out various training sessions for the sales team

Sidmach Technologies Nigeria Limited, Lagos   **2019 - 2020**
Network Engineer - Graduate Intern (NYSC)
Responsibilities: Support and maintenance of IT systems, including LAN, WAN, and related systems. In-house IT equipment and network support.
• **Key Accomplishment:**
- Configured and maintained network hardware and software, provided beneficial network advice and support to end-users, and tested installed systems
- Talked staff or clients through a series of actions, either face-to-face or over the phone, to help set up systems or resolve issues

- Troubleshoot system and network problems, diagnosed and solved hardware or software faults
- Carried out software/hardware evaluations and technical analysis to meet the company's IT goals
- Deployed new software releases, system upgrades, evaluation, and installation patches, and resolved software-related issues

Sidmach Technologies Nigeria Limited, Lagos   **2017 - 2018**
Student Intern (IT)
Responsibilities: Support, configure and maintain network hardware and software, provided beneficial network advice and support to end-users.
• **Key Accomplishment:**
- Troubleshoot system and network problems, diagnosed and solved hardware or software faults
- Assisted the network maintenance department to set up a wireless LAN for Lagos Water Corporation
- Configured and tested computer software and products such as Smartpen
- Installed advanced operating system software on servers and workstations

RESEARCH EXPERIENCE
Electrical and Electronics Engineering Lab, Federal University of Technology, Owerri.   **2018 -2019**
Bachelor's Thesis Project
Department of Electrical/ Electronic Engineering, Federal University of Technology Owerri, Nigeria
Topic: Design and implementation of an embedded poultry farm
- Developed an algorithm to automatically regulate and maintain an optimum condition for broiler chicks using sensors
- Programed an Arduino microcontroller using AVR C/C++
- Simulated the system using Proteus 8 simulation software

Result:
- Successfully designed and tested an embedded Arduino-based Poultry Farm
- The climatic condition within the poultry farm based on temperature and humidity was adequately controlled and maintained within the range conducive for the chicks.

PUBLICATION
Conference paper
L. Ezema, M. Nnabuko, C. Ben-Okpara, and H. Orah, "Design and implementation of an embedded poultry farm," IEEE 1st International Conference on Mechatronics, Automation and Cyber-Physical Computer Systems, 2019.
(PDF) Design and Implementation of an Embedded Poultry Farm (researchgate.net)

COMMUNITY INVOLVEMENT
Prime Africans Network, Abuja Nigeria   **2016 - Present**
Training Facilitator
- Organize career and leadership training for youths
- Coordinate community development projects

Nigeria Christian Corpers' Fellowship   **2019**
Rural Rugged Outreach Participant
- Distributed clothing and food items to the rural community at Ibeju-Lekki
- Assisted in the counseling session

SKILL HIGHLIGHTS
- Critical Reasoning and Analysis
- Good Problem solving and Debugging Skills
- Effective Teamwork and Collaboration Skills
- Excellent Communication and Relationship Skills
- Attention to detail and High Teachability Index

Tools:
Visual Studio Code, Azure DevOps, Git, Zoho, Jenkins, Travis CI, Ansible, Pycharm

AWARDS AND CERTIFICATIONS
- Microsoft Certified: DevOps Engineer Expert   2024
- AWS Certified Cloud Practitioner   2022
- ALX-T Cloud Developer (Udacity)   2022
- JavaScript Programming Foundations (Udacity)   2022
- Microsoft Azure Administrator   2021
- Dynatrace Associate   2020
- Graduate Member, The Nigerian Society of Engineers   2020
- Python for Data Science: Intermediate (Dataquest.io)   2019
- Award of Distinction, Christ Ambassadors Students' Outreach   2018
- Ambassador, Prime Africans Network   2018
- Certificate of Participation. (Capacity Development Training Workshop on Solar PV Installation). FUTO Consult Ltd.   2018
- Agbami Medical and Engineering Scholarship Award   2014
- Total (E&P) National Merit Scholarship Award   2014

REFEREES

Available on request